

Currently amended) A compound according to the structure:

$$\frac{-R^1}{R^2} = R^2$$

$$R^1 - C = C - R^2$$

where R1 is an

optionally substituted C-R<sub>a</sub> group;

 $R_a$  is a H, OH, a  $C_1$ - $C_{10}$  optionally substituted alkyl or alkenyl group, an optionally substituted O- $(C_1$ - $C_7$  alkyl group) or O-aryl group, an amine group which is optionally substituted with at least one  $C_1$ - $C_{10}$  alkyl group which may be optionally substituted, or a single optionally substituted aryl group, biphenyl group,  $(C_1$ - $C_6)$  alkylenearyl group,  $(C_1$ - $C_6)$  alkylenebiphenyl group, heterocyclic group,  $(C_1$ - $C_6)$  alkylene heteroaryl group or  $(C_1$ - $C_6)$  alkylene heterocyclic group;

R<sup>2</sup> is a C-R<sub>b</sub> group;

 $R_b$  is a H, OH,  $C_1$ - $C_{10}$ , optionally substituted alkyl or alkenyl group, an optionally substituted O- $(C_1$ - $C_7$  alkyl group) or O-aryl group, an amine group which is optionally substituted with at least one  $C_1$ - $C_{10}$  alkyl group which may be optionally substituted, or a single optionally substituted aryl group, biphenyl group,  $(C_1$ - $C_6)$  alkylenearyl group,  $(C_1$ - $C_6)$  alkylenebiphenyl group, heterocyclic group,  $(C_1$ - $C_6)$  alkylene heteroaryl group or  $(C_1$ - $C_6)$  alkylene heterocyclic group;

with the proviso that at least one of  $R^1$  and  $R^2$  contains an  $R_a$  or  $R_b$  group which is an amine group which is optionally substituted with at least one  $C_1$ - $C_{10}$  alkyl group which may be

optionally substituted, or a single optionally substituted aryl group, biphenyl group,  $(C_1-C_6)$  alkylenearyl group,  $(C_1-C_6)$  alkylenearyl group, heteroaryl group, heteroaryl group,  $(C_1-C_6)$  alkylene heteroaryl group or  $(C_1-C_6)$  alkylene heterocyclic group; or a stereoisomer, pharmaceutically acceptable salt, solvate, and polymorph thereof.

- 2. (Previously presented) The compound according to claim 1 wherein R<sub>a</sub> is OH or an optionally substituted O-(C<sub>1</sub>-C<sub>7</sub> alkyl group) or O-aryl group; and Rb is an amine group which is optionally substituted with at least one C<sub>1</sub>-C<sub>10</sub> alkyl group which may be optionally substituted, or an optionally substituted aryl group, biphenyl group, (C<sub>1</sub>-C<sub>6</sub>) alkylenearyl group, (C<sub>1</sub>-C<sub>6</sub>) alkylene heteroaryl group or (C<sub>1</sub>-C<sub>6</sub>) alkylene heterocyclic group.
- 3. (Previously presented) The compound according to claim 1 wherein R<sub>a</sub> is OH.
- 4. (Original) The compound according to claim 1 wherein  $R_a$  is an optionally substituted O-( $C_1$ - $C_7$  alkyl group) or O-aryl group.
- 5. (Original) The compound according to claim 2 wherein  $R_a$  is an optionally substituted O-( $C_1$ - $C_7$  alkyl group) or O-aryl group.
- 6. (Previously presented) The compound according to claim 2 wherein R<sub>a</sub> is an optionally substituted O-(C<sub>1</sub>-C<sub>7</sub> alkyl group).
- 7. (Original) The compound according to claim 1 wherein  $R_b$  is an amine group which is optionally substituted with at least one  $C_1$ - $C_{10}$  alkyl group which may be optionally substituted, or a single optionally substituted aryl group, biphenyl group, ( $C_1$ - $C_6$ ) alkylenearyl group, ( $C_1$ - $C_6$ ) alkylene heteroaryl group or ( $C_1$ - $C_6$ ) alkylene heterocyclic group.

- 8. (Previously presented) The compound according to claim 2 wherein  $R_b$  is an amine group which is optionally substituted with at least one  $C_1$ - $C_{10}$  alkyl group which may be optionally substituted, or a single optionally substituted aryl group,  $(C_1$ - $C_6)$  alkylenearyl group, heteroaryl group,  $(C_1$ - $C_6)$  alkylene heteroaryl group or  $(C_1$ - $C_6)$  alkylene heterocyclic group.
- 9. (Previously presented) The compound according to claim 4 wherein  $R_b$  is an amine group which is optionally substituted with at least one  $C_1$ - $C_{10}$  alkyl group which may be optionally substituted, or a single optionally substituted aryl group,  $(C_1$ - $C_6)$  alkylenearyl group, heteroaryl group, ( $C_1$ - $C_6)$  alkylene heteroaryl group.
- 10. (Previously presented) The compound according to claim 1 wherein  $R_a$  is an optionally substituted O-( $C_1$ - $C_7$  alkyl group) and  $R_b$  is an amine group which is optionally substituted with at least one  $C_1$ - $C_{10}$  alkyl group which may be optionally substituted, or a single optionally substituted aryl group, ( $C_1$ - $C_6$ ) alkylenearyl group, heteroaryl group, heteroacyclic group, ( $C_1$ - $C_6$ ) alkylene heteroacyclic group.
- 11. (Original) The compound according to claim 1 wherein  $R_b$  is an amine group which is optionally substituted with a single cyclohexyl group, an optionally substituted phenyl group, or an optionally substituted benzyl group and  $R_a$  is a O-( $C_1$ - $C_3$  alkyl) group or an O-phenyl group.
- 12. (Original) The compound according to claim 2 wherein  $R_b$  is an amine group which is optionally substituted with a single cyclohexyl group, an optionally substituted phenyl group, or an optionally substituted benzyl group and  $R_a$  is a O-( $C_1$ - $C_3$  alkyl) group or an O-phenyl group.
- 13. (Previously presented) The compound according to claim 4 wherein R<sub>b</sub> is an amine group

which is optionally substituted with a single cyclohexyl group, an optionally substituted phenyl group, or an optionally substituted benzyl group and R<sub>a</sub> is a O-(C<sub>1</sub>-C<sub>3</sub> alkyl) group or an O-phenyl group.

14. (Original) A pharmaceutical composition comprising an effective amount of a compound according to claim 1 in combination with a pharmaceutically acceptable carrier, additive or excipient.

15. (Original) A pharmaceutical composition comprising an effective amount of a compound according to claim 2 in combination with a pharmaceutically acceptable carrier, additive or excipient.

16. (Original) A pharmaceutical composition comprising an effective amount of a compound according to claim 3 in combination with a pharmaceutically acceptable carrier, additive or excipient.

17. (Original) A pharmaceutical composition comprising an effective amount of a compound according to claim 4 in combination with a pharmaceutically acceptable carrier, additive or excipient.

18. (Original) A pharmaceutical composition comprising an effective amount of a compound according to claim 5 in combination with a pharmaceutically acceptable carrier, additive or excipient.

19. (Original) A pharmaceutical composition comprising an effective amount of a compound according to claim 6 in combination with a pharmaceutically acceptable carrier, additive or excipient.

20. (Original) A pharmaceutical composition comprising an effective amount of a compound according to claim 7 in combination with a pharmaceutically acceptable carrier, additive or

excipient.

21. (Original) A pharmaceutical composition comprising an effective amount of a compound

according to claim 8 in combination with a pharmaceutically acceptable carrier, additive or

excipient.

22. (Original) A pharmaceutical composition comprising an effective amount of a compound

according to claim 9 in combination with a pharmaceutically acceptable carrier, additive or

excipient.

23. (Original) A pharmaceutical composition comprising an effective amount of a compound

according to claim 10 in combination with a pharmaceutically acceptable carrier, additive or

excipient.

24. (Original) A pharmaceutical composition comprising an effective amount of a compound

according to claim 11 in combination with a pharmaceutically acceptable carrier, additive or

excipient.

25. (Original) A pharmaceutical composition comprising an effective amount of a compound

according to claim 12 in combination with a pharmaceutically acceptable carrier, additive or

excipient.

26. (Original) A pharmaceutical composition comprising an effective amount of a compound

according to claim 13 in combination with a pharmaceutically acceptable carrier, additive or

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excipient.

Amendment/Response 3/2706 S.N. 10/705,483

27.-30. Cancelled.

31. (Currently amended) A composition according to claim 1 according to the chemical structure:

**32.** (Previously presented) A pharmaceutical composition comprising an effective amount of a compound according to claim 31 in combination with a pharmaceutically acceptable carrier, additive or excipient.